

Message Text

LIMITED OFFICIAL USE

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ACTION PM-05

INFO OCT-01 NEA-11 ISO-00 CIAE-00 H-01 INR-10 L-03
NSAE-00 NSC-05 PA-01 SP-02 SS-15 ICA-11 MCE-00
ACDA-12 AID-05 OMB-01 TRSE-00 /083 W
-----015239 040653Z /21

R 040503Z MAY 78
FM AMEMBASSY TEHRAN
TO SECSTATE WASHDC 8134
INFO SECDEF WASHDC//ASD:ISA(SA)/DSAA(NESA)//
HQ USAF WASHDC//LGFWB/LGFP//
DEP FOR INTL LOG HQ AFALD WPAFB OH//MI/MIME//
HQ AFLC WPAFB OH//MI/LOA//
HQ AFSC ANDREWS AFB MD//SQNS//
DIR MAT MGT HILL AFB UT//MM/MMS(2)/MMSFI//
HQ ASD WPAFB OH//SD30//
USCINCEUR VAIHINGEN GE//ECJ-4/7//

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E.O. 11652: N/A
TAGS: MASS
SUBJ: REQUEST FOR LOA FOR IMPROVED F-4E AIR-TO-AIR MISSILE
SYSTEM (LRU-1). (ARACM CONTROL NUMBER 78-083).

1. DEPUTY MINISTER OF WAR FOR ARMAMENT (LT GEN M. MASSUMI)
WROTE TO ARMISH MAAG 6 FEB 78 (DMOWA LTR 1401-01-18-49)
REQUESTING LOA FOR LRU-1 MODIFICATION FOR 165 F-4E AIRCRAFT.
AN EXTRACT FROM THE LETTER FOLLOWS: QUOTE IT IS THE FIRM
INTENTION OF THE GOI TO MODIFY 165 F-4E AIRCRAFT BY
INCORPORATION OF THE IMPROVED AIR-TO-AIR MISSILE SYSTEM
(LRU-1) CLASS V MODIFICATION AND THE COMPUTER
AUTOMATIC ACQUISITION CAA CLASS IV MODIFICATION. REQUEST
AN LOA BE PREPARED FOR OUR CONSIDERATION. END QUOTE.

2. IN COMPLIANCE WITH GUIDANCE OUTLINED IN PARA 5E
OF 77 STATE 207984 (DTG 310241Z AUG 77), THE FOLLOWING
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ASSESSMENT IS PROVIDED:
A. THE IIAF NEEDS AN IMPROVED MISSILE FIRING SYSTEM
FOR ITS AIR DEFENSE AIRCRAFT. THE EXISTING MISSILE
FIRE CONTROL CIRCUITS OF THE APQ-120 SYSTEM ARE BASED
ON OBSOLETE STATE OF THE ART TECHNOLOGY (ANALOG). A
NEW DIGITAL SYSTEM, SUCH AS THAT PROVIDED BY THE LRU-1
MODIFICATION, IS NEEDED TO MATCH ORDNANCE DEVELOPED

AFTER THE CURRENT APQ-120 SYSTEM. CLASS V MODIFICATION 2745 IS A MISSILE IMPROVEMENT CHANGE TO THE F-4E. THE MAJOR ELEMENT OF THIS MODIFICATION IS THE DIGITAL COMPUTER. IT INCLUDES CHANGES TO THE F-4E REQUIRED TO IMPROVE THE PROBABILITY OF A SUCCESSFUL MISSILE INTERCEPT. MISSILES HAVE ALREADY BEEN PROCURED FROM THE USG BY THE IIAF FOR THEIR F-4E AIRCRAFT. IN ADDITION, THIS MODIFICATION PROVIDES IMPROVEMENT TO THE F-4E IN ITS INTERCEPT ROLE AND GIVES IT AN EFFECTIVE AIR COMBAT MANEUVERING FIRE CONTROL SYSTEM. THE CLASS IV MODIFICATION, COMPUTER CONTROLLED AUTOMATIC ACQUISITION (CAA), PROVIDES RAPID ACQUISITION IN THE PRESENCE OF CLUTTER AND IS ESPECIALLY EFFECTIVE AGAINST SMALL AIRBORNE TARGETS.

B. THE PROPOSED MODIFICATION TO THE F-4E APQ-120 SYSTEM WOULD PROVIDE IRAN WITH A MORE EFFECTIVE AIR DEFENSE AIRCRAFT. THIS MODIFICATION TO AN EXISTING WEAPONS SYSTEM WOULD NOT SIGNIFICANTLY CHANGE THE BALANCE OF POWER BETWEEN IRAN AND NEIGHBORING COUNTRIES.

C. THE IIAF IS PRESENTLY MAINTAINING AND OPERATING THE APQ-120 SYSTEM. THIS CAPABILITY WOULD NOT BE ALTERED AFTER THE PROPOSED MODIFICATION. WITH THE ADDITION OF PECULIAR SUPPORT EQUIPMENT AND TRAINING OF MAINTENANCE PERSONNEL, THE IIAF COULD SUPPORT THE MODIFIED APQ-120 WITH EXISTING FACILITIES. FOUR U.S. CONTRACTOR TECHNICAL ADVISORS (ONE AT EACH F-4E BASE) LIMITED OFFICIAL USE

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WILL BE REQUIRED FOR A PERIOD OF ONE YEAR TO PROVIDE TRAINING TO IIAF MAINTENANCE PERSONNEL.

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NSAE-00 NSC-05 PA-01 SP-02 SS-15 ICA-11 MCE-00
ACDA-12 AID-05 OMB-01 TRSE-00 /083 W
-----015413 040653Z /21

R 040503Z MAY 78
FM AMEMBASSY TEHRAN

TO SECSTATE WASHDC 8135
INFO SECDEF WASHDC//ASD:ISA(SA)/DSAA(NESA)//
HQ USAF WASHDC//LGFWB/LGFP//
DEP FOR INTL LOG HQ AFALD WPAFB OH//MI/MIME//
HQ AFLC WPAFB OH//MI/LOA//
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DIR MAT MGT HILL AFB UT//MM/MMS(2)/MMSFI//
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D. THE FOLLOWING ITEMS SHOULD BE PROVIDED FOR IN THE
LOA:

- (1) 165 ACM/CAA MODIFICATION KITS (2745)-INCLUDE GROUP
A WIRING KIT AND GROUP B EQUIPMENT KIT.
- (2) INITIAL GROUP B SPARES-17 EACH.
- (3) ACM/CAA MOD KITS FOR MOBILE TRAINING SETS-2 EACH.
- (4) INTERMEDIATE LEVEL TEST SETS-4EACH.
- (5) MODIFICATION KITS FOR EIGHT INTERMEDIATE TEST SETS
AND 2 DEPOT TEST SETS.
- (6) COMPLETE SET OF USAF PUBLICATIONS.
- (7) INSTALLATION BY USAF DEPOT OR CONTRACTOR TEAM IN
IRAN.
- (8) USAF SOFTWARE SUPPORT ON YEARLY BASIS BEGINNING ON
DATE OF INITIAL INSTALLATION.

E. COST OF THE CAA AND LRU-1 MODIFICATION KITS IS
ESTIMATED AT DOLLARS 12,000,000. INSTALLATION,
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TRAINING, TECH DATA CHANGES, AND CONTRACTOR
ENGINEERING TECHNICAL SEERVICES (CETS) IS EXPECTED
TO ADD APPROXIMATELY DOLLARS 8,000,000 FOR A CASE
VALUE OF DOLLARS 20,000,000.

F. THE PROPOSED SALE COMPLIES WITH THE PRESIDENT'S
ARMS TRANSFER POLICY.

G. RECOMMEND THE APPROVAL OF THE SALE OF 165 F-4E
CAA AND LRU-1 MODIFICATION KITS, SPARES, SUPPORT
EQUIPMENT KITS, TECH DATA, PECULIAR SUPPORT EQUIPMENT,
INSTALLATION OF KITS AND CETS SUPPORT. THE PROPOSED
MODIFICATION IS A CONSISTENT WITH THE IIAF DECISION TO
EXTEND THE UTILIZATION OF THE F-4 FLEET INTO THE
1990S. THE GOI IS PROCEEDING ON THE ASSUMPTION THAT
WITH UPDATING THE F-4 WILL REMAIN HIGHLY COMPETITIVE
AND A FORMIDABLE WEAPON SYSTEM. THIS APPROACH IN ARMS
SALES. THE PROPOSED MODIFICATION WILL ENHANCE THE
EFFECTIVENESS OF THE IIAF F-4E APQ-120 FIRE CONTROL
SYSTEM AND WILL INCREASE IIAF DEFENSIVE CAPABILITY.
H. THE PURCHASER SHOULD BE IDENTIFIED AS GOVERNMENT

OF IRAN, DEPUTY MINISTER OF WAR FOR ARMAMENT, TEHRAN,
IRAN. DD FORM 1513 SHOULD BE MAILED TO ARMISH-MAAG,
(ARACM), BOX 200, APO NY 09205.
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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: NEGOTIATIONS, MILITARY AGREEMENTS, MILITARY SALES, MISSILES
Control Number: n/a
Copy: SINGLE
Draft Date: 04 may 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
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Format: TEL
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Handling Restrictions: n/a
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Original Classification: LIMITED OFFICIAL USE
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
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Previous Channel Indicators: n/a
Previous Classification: LIMITED OFFICIAL USE
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
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Review Media Identifier:
Review Release Date: N/A
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2787822
Secure: OPEN
Status: NATIVE
Subject: REQUEST FOR LOA FOR IMPROVED F-4E AIR-TO-AIR MISSILE SYSTEM (LRU-1). (ARACM CONTROL NUMBER 78-083).
TAGS: MASS, IR, US
To: STATE
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/dee8cba3-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
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